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Complete listing of all of the claims

Claim 1 (Currently Amended)

1. (Currently Amended) A virtual community system over a plurality of users and a plurality of resources accessible by said plurality of users of resource based virtual communities comprising of:

a community-server operable to monitor manage each of said plurality of users accessing a said plurality of resources-based virtual communities;

and said server operable to associated with each of a said plurality of resources accessed resources by each of said user to said each user;

and said server operable to form a dynamic community for each of said plurality of resources; said community comprising connect ones each of the said plurality of users to the resource based virtual community associated with the who is accesseding the same said each of plurality of resources when they access the resource

Claims 2-30 (Previously presented)

2. (Previously presented) The system of claim 1, wherein each of the plurality of resources is associated with a corresponding community.

3. (Previously presented) The system of claim 1, wherein each of the plurality of resources comprises a web resource.

4. (Previously presented) The system of claim 1, wherein each of the plurality of resources comprises a non-web resource.

5. (Previously presented) The system of claim 1, wherein each of the plurality of resources comprises a unique name.

6. (Previously presented) The system of claim 1, wherein users automatically become members of the resource based virtual community associated with the accessed resource when they access the resource unless the users are required to login to the community server.
7. (Previously presented) The system of claim 1, wherein the community server is further operable to provide community services to community members.
8. (Previously presented) The system of claim 1, wherein the community server is further operable to enable communication between community members .
9. (Previously presented) The system of claim 1, wherein the community server is further operable to enable community members to perform community activities.
10. (Previously presented) The system of claim 1, wherein the community server is further operable to provide collaboration between community members.
11. (Previously presented) The system of claim 1, wherein the community server is further operable to provide notification to community members when a new user joins the community.
12. (Previously presented) The system of claim 1, wherein the community server is further operable to enable community members to communicate with users outside the community.
13. (Previously presented) The system of claim 1, wherein the community server is further operable to provide community members with information regarding the community.

14. (Previously presented) The system of claim 13, wherein the information comprises information presented to the community members while they are accessing the resource.
15. (Previously presented) The system of claim 1, wherein the community server is further operable to enable new community services from community members.
16. (Previously presented) The system of claim 1, wherein the resources comprise private resources having a unique name.
17. (Previously presented) The system of claim 1, wherein the community server is further operable to provide community member authentication services.
18. (Previously presented) The system of claim 1, wherein the community server is provided by the resource server by setting up and serves the virtual community along with the resource.
19. (Previously presented) The system of claim 18, wherein each of the plurality of web resource servers is operable to contact other community servers to provide community services.
20. (Previously presented) The system of claim 1, wherein the community server is disposed behind a firewall to limit community members to users in an intranet.
21. (Previously presented) The system of claim 1, wherein the community server is further operable to provide user privacy preferences to community members.

22. (Previously presented) The system of claim 1, wherein the community server is further operable to uniquely identify each community member across multiple communities.
23. (Previously presented) The system of claim 1, wherein the community server is further operable to track community member's activities with the community member's permission.
24. (Previously presented) The system of claim 1, wherein the community server is further operable to organize an information content of each virtual community into a plurality of hyperlinked pages.
25. (Previously presented) The system of claim 1, wherein the community server is further operable to keep statistical information regarding the community.
26. (Previously presented) The system of claim 1, wherein the community server is further operable to connect users who have accessed the same resource and users who are accessing the same resource.
27. (Previously presented) The system of claim 1, further comprising a proxy server coupled to the community server and a web resource server, the proxy server operable to serve a web resource content and connect to the community based on the resource being served.
28. (Previously presented) The system of claim 1, wherein the community server is further operable to combine a plurality of communities into a larger community based upon similar topical resources.
29. (Previously presented) The system of claim 1, wherein the community server is further operable to enable searches of each of the plurality of communities.

30. (Previously presented) The system of claim 1, wherein the community server is further operable to provide customized filtering preferences set by users, systems and communities

Claims 31-59 (Canceled)

Claim 60 (Currently Amended)

60. (Currently Amended) A ~~global-universal virtual communities~~ server system ~~for mapping each of over a plurality of users and a plurality of resources accessible by said plurality of users to a virtual community area by resource URL comprising of:~~

~~a global-universal virtual community server including the plurality of virtual community areas, where each of a said plurality of resources is mapped to a one said plurality of virtual community areas by a uniform resource locator (URL) and each of said plurality of virtual community areas contains community and user accessing information for said mapped resource;~~

~~a global-user access database within the global-universal virtual community server that holds all containing resource accessing record user information for from each of said plurality of users accessing any of the to each of said plurality of resources, including a user IP address or email address, the virtual community areas holding community information, data and links related to each of the users in the global-user database;~~

~~a universal virtual community server operable to monitor every access from each of said plurality of users to each of said plurality of resources and then performs additional functions of:~~

~~storing said access to said user access database;~~

~~mapping said accessed resource to said virtual community area by said uniform resource locator (URL);~~

~~updating said virtual community area with said access from said user to said resource;~~

Claims 61-72 (Previously presented)

61. (Previously presented) The system of claim 60, wherein the virtual community areas are stored in directories, files, or databases.

62. (Previously presented) The system of claim 60, wherein the global universal virtual community server comprises a group of servers.

63. (Previously presented) The system of claim 60, wherein the global user database comprises a distributed database.

64. (Previously presented) The system of claim 60, wherein each virtual community area is created on demand when a first user accesses a resource.

65. (Previously presented) The system of claim 60, wherein the global user database creates a new user record only when a new user entry is queried and is not yet in the database.

66. (Previously presented) The system of claim 60, wherein each virtual community area comprises a web server or web pages.

67. (Previously presented) The system of claim 60, wherein each virtual community area comprises information regarding the community.

68. (Previously presented) The system of claim 60, wherein each virtual community area comprises server side components that support user and community interactivity and activities.

69. (Previously presented) The system of claim 60, wherein each virtual community area may utilize server side technologies including server side script, CGI, Servlet, web services and weblogs.

70. (Previously presented) The system of claim 60, wherein the global user database comprises the current status of individual user's information.

71. (Previously presented) The system of claim 60, wherein the global user database stores users' personal data including messages from other users people, preferences or privacy and security settings.

72. (Previously presented) The system of claim 60, wherein the universal community server is operable to group different community areas together to form a larger community for a bigger scope of resources.

Claim 73 (Currently Amended)

73. (Currently Amended)

A method of forming ~~resource-based virtual communities in a system with a plurality of users and a plurality of resources, the method comprising the steps of:~~

each of said plurality of users accesses said plurality of resources;

~~providing a community server operable to manage monitors a~~ each of said plurality of users accessing said plurality of resources;

~~said server resource-based virtual communities associated s with each of a said plurality of accessed resources accessed by each of a said plurality of users accessing the resources to said each user;~~

and said server forms a dynamic community for each of said plurality of resources, said community comprising of each of the said plurality of users who is accessing connecting to the same said each of plurality of resources-based virtual community associated with the accessed resource.

Claims 74-82 (Previously presented)

74. (Previously presented) The method of claim 73, wherein the resource being accessed by the user is a web resource, including a web site, a web page, a newsgroup or a discussion forum.

75. (Previously presented) The method of claim 73, wherein the resource being accessed by the user is a non-web resource, including a software product, a bulletin board, a game, an FTP site, a file, an image, a photo, or products that can be shared by users.

76. (Previously presented) The method of claim 73, wherein each of the plurality of accessed resources is associated with a corresponding resource based virtual community.

77. (Previously presented) The method of claim 73, further comprising enabling new community services from community members.

78. (Previously presented) The method of claim 73, further comprising providing users community information and community services; including hit count, total users, current users, feedback, comments, ratings, reviews, references or other useful information for the resource.

79. (Previously presented) The method of claim 73, further comprising enabling user collaboration with other community members; including making comments, publishing reviews, rating resources, writing notes, sending messages, sharing whiteboards, chatting, helping each other, asking and answering questions, exchanging ideas, interests matching, scheduling meetings, online auctions, online dating, broadcasting or other campaigns such as marketing or advertisements.

80. (Previously presented) The method of claim 73, wherein each of the plurality of users accessing the resources and resource based communities comprises the steps of:

- each of a plurality of users accessing the resources;
- the accessed resource returning the original resource; and
- the accessed resource connecting users to the virtual community based on the accessed resource.

81. (Previously presented) The method of claim 73, wherein each of the plurality of users accessing the resources comprises the steps of:

- each of a plurality of users accessing the resources through a proxy server;
- the proxy server returning the original resource; and
- the proxy server connecting the user to the virtual community based on the accessed resource

82. (Previously presented) The method of claim 73, wherein each of the plurality of users connecting to the resource based virtual community associated with the accessed resource comprises the steps of:

- a client side software installed to user's computer discovering the resource accessed by the user; and
- the client side software connecting the user to the virtual community based on the accessed resource.

Claim 83 (Currently Amended)

83. (Currently Amended) The method of claim 73, further comprising the user accessing the virtual community along with the accessed resource in a non-distributive ~~distributive~~ way including using context menus, status bars, popup windows, balloon help messages, task bars or embedded frames inside a current web page.

Claims 84-85 (Previously presented)

84. (Previously presented) The system of claim 1, wherein each of the plurality of resources comprises a non-Internet based product including a software, a product, a device, an audio, a video, a service or other commodities.

85. (Previously presented) The system of claim 1, wherein the user connects to the resource based virtual communities through a mobile device including a PDA and a cellular phone.

Claim 86 (Currently Amended)

86. (Currently Amended) The system of claim 1, further comprising__a client side software installable to a user's computer, the software operable to detect users activity of accessing a resource and connecting to the virtual community based on the accessed resource.

Claims 87-100 (Previously presented)

87. (Previously presented) The system of claim 86, wherein the client side software also provides a toolbar button installable on user's browser operable of connect to the resourced based virtual community when selected by the user.

88. (Previously presented) The system of claim 86, wherein the client side software also provides a context menu installable on the user's browser operable for connecting to the resourced based virtual community when selected by the user.

89. (Previously presented) The method of claim 86, wherein the client side software is installed manually by the user or automatically when the user accesses the resource.

90. (Previously presented) The method of claim 86, wherein the client side software is operable to display a virtual community page displayed in a separate frame, popup window or balloon window along with the main resource.

91. (Previously presented) The system of claim 86, wherein the client side software is a standalone software agent.

92. (Previously presented) The system of claim 86, wherein the client side software is operable to discover current web resources accessed by the user by monitoring web requests from browsers.

93. (Previously presented) The method of claim 86, wherein the client side software is operable to detect the current resource being used by hooking into the protocol handling chain, or using a protocol filter, a kernel driver, or a customized content handler; or by listening to the system or windows event from browsers, or hooking into process, system and network APIs.

94. (Previously presented) The system of claim 86, wherein the client side software is a browser.

95. (Previously presented) The system of claim 86, wherein the client side software is operable to make multiple connections to multiple virtual communities based on multiple resources the user is accessing and thus enabling users to participate in multiple communities simultaneously.

96. (Previously presented) The system of claim 86, wherein the client side software is a browser plugin integrated in a user's existing web browser.

97. (Previously presented) The system of claim 96, wherein the browser plugin includes browser helper objects, plugins, applets, Javascript, flash, ActiveX object, content, dynamic html, connection or protocol filters and any other type of software extension.

98. (Previously presented) The system of claim 86, wherein the client side software can be a special component, shared object, dynamic library, driver or other extensions.

99. (Previously presented) The system of claim 86, wherein the client side software is operable to detect the current software used by the user and then connect to the associated virtual community based on that resource.

100. (Previously presented) The system of claim 99, wherein the client side software is statically or dynamically linked to a software resource and operable to run along with the software resource when the software resource is started by the user.

Claim 101 (Currently Amended)

101. (Currently Amended) The system of claim 99, wherein the client side software resides in the software resource to provide new functions, features, services and applications.